| In | dex | of | Cla | ims | • |
|----|-----|----|-----|-----|---|
|    |     |    |     |     |   |

| Application No. | Applicant(s) |  |
|-----------------|--------------|--|
| 09/720,676      | SATOH ET AL. |  |
| Examiner        | Art Unit     |  |
| EDMUND H. LEE   | 1732         |  |

| <b>√</b> | Rejected |  |
|----------|----------|--|
| =        | Allowed  |  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

|               |                                  | <u> </u>     |              |          |  |          | ,        |              |          |          |  |
|---------------|----------------------------------|--------------|--------------|----------|--|----------|----------|--------------|----------|----------|--|
| Cla           | im                               | Date         |              |          |  |          |          |              |          |          |  |
| Final         |                                  | 5/17/04      |              |          |  |          |          |              |          |          |  |
|               | 1                                | +            |              |          |  |          |          |              |          |          |  |
|               | 2                                | +            |              |          |  |          |          |              |          | П        |  |
|               | 3                                | +            |              |          |  |          |          |              |          |          |  |
|               | 4                                | +            |              | L        |  |          |          |              |          |          |  |
|               | 1<br>2<br>3<br>4<br>5<br>6       | +            |              | L        |  |          |          | L            |          |          |  |
|               | 6                                | +            |              | L_       |  |          |          | _            | L        |          |  |
|               | 7<br>8                           | +            | <u> </u>     | ļ        | _  | _        | <u> </u> | _            |          | Щ        |  |
|               | 8                                | +            | <u> </u>     |          | <u> </u>   |          | $\vdash$ | ļ            |          | Н        |  |
| <u> </u>      | 9                                | +            | _            | <u> </u> |  |          | _        | _            |          | Н        |  |
| <u> </u>      | 10                               | +            | _            | _        | $\vdash$   |          | -        | -            | _        | $\dashv$ |  |
|               | 11                               | +            |              | $\vdash$ | <u> </u>   | _        |          | ├            |          | Н        |  |
| $\vdash$      | 13                               | +            | $\vdash$     | $\vdash$ | -  |          | $\vdash$ |              |          | $\dashv$ |  |
| $\vdash$      | 11<br>12<br>13<br>14<br>15<br>16 | +            |              |          | <u> </u>   |          |          | $\vdash$     |          | H        |  |
|               | 15                               | +            | $\vdash$     | $\vdash$ | <del>                                     </del> |          |          |              |          |          |  |
| $\vdash$      | 16                               | +            |              | $\vdash$ |  |          |          |              |          |          |  |
|               | 17                               | +            | $\vdash$     |          |  |          |          |              |          |          |  |
|               | 18<br>19<br>20                   | +            | -            |          |  |          | <b></b>  | _            |          |          |  |
|               | 19                               | +            |              |          |  |          |          |              |          |          |  |
|               | 20                               | +            |              |          |  |          |          |              |          |          |  |
|               | 21<br>22                         | +            |              |          |  |          |          |              |          |          |  |
| Ŀ             | 22                               | +            |              |          |  |          | <u> </u> | _            |          |          |  |
| <u></u>       | 23<br>24<br>25                   | +            |              |          |  |          | <u> </u> |              |          |          |  |
| <u> </u>      | 24                               | +            | _            | <u> </u> |  |          |          | <u> </u>     |          |          |  |
|               | 25                               | +            |              | <u> </u> | ļ  |          | _        |              |          |          |  |
| <u> </u>      | 26                               | +            | _            | _        | ļ  |          | _        | <u> </u>     | <u> </u> |          |  |
| <u> </u>      | 27                               | +            | ┝            | <u> </u> |  |          |          | <u> </u>     |          |          |  |
| _             | 28<br>29                         | +            | H            |          | _  |          | ┝        | -            |          |          |  |
|               | 30                               | +            | <del> </del> | ┝        | _  |          | $\vdash$ |              |          | $\vdash$ |  |
| <u> </u>      | 31                               | +            | -            | $\vdash$ | $\vdash$   |          | ┢─       | $\vdash$     |          |          |  |
|               | 32                               | +            | <del> </del> |          |  | _        |          | <del> </del> |          |          |  |
|               | 33                               | +            |              |          |  |          |          |              |          |          |  |
|               | 34                               | +            | Г            | · · ·    | l  |          |          |              |          |          |  |
|               | 34<br>35                         | +            |              |          |  |          |          |              |          |          |  |
|               | 36                               | +            |              |          |  |          |          |              |          |          |  |
|               | 37                               | +            |              |          |  |          |          |              |          |          |  |
|               | 38                               |              |              |          | L  |          | <u> </u> | <u> </u>     |          |          |  |
|               | 39                               |              | <u> </u>     |          | L  |          | <u> </u> | <u> </u>     |          |          |  |
| L             | 40                               | <u> </u>     |              | <u> </u> | <u> </u>   |          | <u> </u> | <b> </b>     | _        |          |  |
|               | 41                               |              | _            | _        | -  |          | _        |              |          |          |  |
|               | 42                               | <del> </del> | -            | $\vdash$ |  | -        | $\vdash$ | $\vdash$     | <u> </u> |          |  |
|               | 43<br>44                         |              |              | ļ        | $\vdash$   | $\vdash$ |          |              | <u> </u> | $\vdash$ |  |
|               | 44                               |              |              | <u> </u> | -  |          | $\vdash$ | $\vdash$     |          | -        |  |
| <del>  </del> | 46                               |              | -            | —        | <u> </u>   |          | -        | <del> </del> | <u> </u> |          |  |
| <u> </u>      | 47                               |              |              | $\vdash$ |  | -        | $\vdash$ | H            | $\vdash$ | $\vdash$ |  |
| $\vdash \neg$ | 48                               |              | $\vdash$     |          | <u> </u>   |          |          |              |          | $\vdash$ |  |
|               | 49                               |              |              |          | $\vdash$   |          | -        |              | _        |          |  |
| $\vdash$      | 50                               |              | Г            |          |  |          |          |              |          |          |  |
|               |                                  |              | _            |          |  | _        | _        |              |          |          |  |

| Cla  | im                   | Ι.   |          |                                     | [          | Date           | e |          |          |          |
|--|----------------------|--|----------|-------------------------------------|------------|----------------|---|----------|----------|----------|
|  |                      |  |          |                                     |            |                |   |          |          |          |
| <u>a</u>   | Original             |  |          |                                     |            |                |   |          |          |          |
| Final  | rig                  |  |          |                                     |            |                |   |          |          |          |
|  | 0                    |  | l        |                                     |            |                |   |          |          |          |
|  | 51                   |  |          |                                     |            |                |   |          |          |          |
|  | 52                   |  |          |                                     |            |                |   |          |          |          |
|  | 53                   | l  |          |                                     | $\vdash$   |                |   | _        |          |          |
|  | 54                   |  |          |                                     |            |                |   |          |          | -        |
|  | 55                   | _  |          |                                     |            |                |   |          |          |          |
|  | 56                   |  |          |                                     |            |                |   |          |          |          |
|  | 57                   |  |          |                                     |            |                |   |          |          |          |
|  | 58                   |  |          |                                     |            |                |   |          |          |          |
|  | 59                   |  |          |                                     |            |                |   |          |          |          |
|  | 60                   |  |          |                                     |            | -              |   |          |          |          |
|  | 61                   |  |          |                                     |            |                |   |          |          |          |
|  | 62                   |  |          |                                     |            |                |   |          |          |          |
|  | 63                   | L  |          |                                     |            |                |   |          |          |          |
|  | 64                   | L  |          |                                     |            |                |   |          |          |          |
|  | 65                   |  |          |                                     |            | L              |   |          |          |          |
|  | 66                   |  |          |                                     |            |                |   |          |          |          |
|  | 67                   |  |          |                                     |            |                |   |          |          |          |
|  | 68                   |  |          |                                     |            |                |   |          |          |          |
|  | 69                   | <u> </u>   |          |                                     | _          | L              |   |          |          |          |
|  | 70                   |  |          |                                     |            |                |   |          |          |          |
|  | 71                   | L  |          |                                     |            |                |   |          |          |          |
| L  | 72                   |  |          |                                     |            | L              |   |          |          |          |
|  | _73                  |  |          |                                     |            |                | · |          |          |          |
| ļ  | 72<br>73<br>74<br>75 | _  | <u> </u> |                                     |            |                |   |          |          |          |
|  | 75                   |  |          |                                     | _          |                | _ |          |          |          |
| ļ  | 76<br>77             | _  |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _          |                |   |          | L.,      |          |
| ļ  | 77                   |  |          | <u> </u>                            | ļ          | ļ              |   |          |          |          |
|  | 78                   | _  | _        |                                     | ļ <u>.</u> |                |   |          | Щ.       |          |
|  | 79                   |  |          | _                                   | _          | <u> </u>       |   |          |          |          |
|  | 80                   |  |          | ļ                                   | <u> </u>   |                |   | _        | -        |          |
|  | 81                   | ļ  |          |                                     | _          | <u> </u>       |   |          | _        |          |
|  | 82                   | <u> </u>   |          |                                     |            | ļ              |   |          |          |          |
|  | 83                   |  |          |                                     |            | -              |   |          |          | <u> </u> |
| ļ —  | 84                   | <u> </u>   | _        |                                     | ļ          |                |   |          |          | _        |
|  | 85                   | -  |          | _                                   | -          | -              |   |          |          |          |
|  | 86                   |  |          | -                                   | -          | -              | _ |          |          |          |
|  | 87                   |  | -        | -                                   | ⊢          | ├              |   |          | -        | _        |
|  | 88                   | <u> </u>   | -        |                                     | $\vdash$   | _              |   |          | <u> </u> |          |
|  | 89<br>90             | <u> </u>   |          | -                                   |            | ├              |   | $\vdash$ | <u> </u> |          |
|  | 91                   | $\vdash$   | $\vdash$ | -                                   |            |                |   | $\vdash$ | $\vdash$ | $\vdash$ |
|  | 92                   | $\vdash$   |          | <del> </del>                        | $\vdash$   | -              |   | $\vdash$ | $\vdash$ |          |
| <del>                                     </del> | 93                   | $\vdash$   | $\vdash$ | 1                                   | -          | <del> </del> - |   |          | <u> </u> |          |
| <del> </del>                                     | 94                   |  |          |                                     | $\vdash$   |                | Н |          | $\vdash$ |          |
| <u> </u>   | 95                   |  | -        |                                     | $\vdash$   | <u> </u>       | Н |          |          | -        |
| l  | 96                   | <del>                                     </del> |          |                                     | -          | <del> </del>   |   |          |          |          |
|  | 97                   | $\vdash$   | -        |                                     | -          | -              | - |          |          |          |
| <u> </u>   | 98                   | $\vdash$   | $\vdash$ | $\vdash$                            |            | -              |   | -        |          |          |
| -  | 99                   | $\vdash$   | <u> </u> | H                                   |            |                | - |          |          |          |
|  | 100                  | <del> </del>                                     | -        |                                     |            | -              |   |          |          | Н        |
| Щ  | 100                  |  | L        | L                                   |            | Щ              |   |          |          | ЦЦ       |

| Cli      | Claim             |     |          | Date   |          |          |          |   |          |          |  |  |
|----------|-------------------|-----|----------|--|----------|----------|----------|---|----------|----------|--|--|
|          |                   |     |          |  |          |          |          |   |          |          |  |  |
| - m      | Original          |     |          |  |          |          |          |   |          |          |  |  |
| Final    | ġ                 |     |          |  |          |          |          |   |          |          |  |  |
| 1 "      | ō                 | · . |          |  |          |          |          |   |          |          |  |  |
|          |                   |     |          |  | -        |          |          |   |          |          |  |  |
| <u> </u> | 101               |     |          |  | _        |          |          |   |          |          |  |  |
| ļ        | 102               |     |          |  | L.,      | <u>_</u> |          |   |          |          |  |  |
|          | 103               |     |          |  |          |          |          |   |          |          |  |  |
|          | 104               |     |          |  |          |          |          |   |          |          |  |  |
|          | 105               |     |          |  |          |          |          |   |          |          |  |  |
|          | 106               |     |          |  |          |          |          |   |          |          |  |  |
| 1        | 107               |     |          |  |          |          |          |   |          |          |  |  |
|          | 108               |     |          |  |          |          |          |   |          |          |  |  |
|          | 109               |     | _        |  |          |          |          |   |          |          |  |  |
|          | 110               |     |          |  |          |          |          |   |          |          |  |  |
| -        | 111               | -   |          |  |          |          | —        | _ | -        | _        |  |  |
| $\vdash$ | 112               |     | -        |  |          | _        |          |   |          | -        |  |  |
| -        | 112               |     |          | $\vdash$   | $\vdash$ | <u> </u> |          |   | $\vdash$ |          |  |  |
| $\vdash$ | 113               |     | <u> </u> | <del>                                     </del> | -        |          |          |   | Η.       | _        |  |  |
| <u> </u> | 114               |     |          |  | H        | _        |          |   | H        | <u> </u> |  |  |
| <b> </b> | 115               |     |          |  |          |          |          |   |          |          |  |  |
| ļ        | 116               |     |          |  |          | _        | L        |   |          |          |  |  |
| <u> </u> | 117               |     |          | _  |          |          |          |   |          |          |  |  |
|          | 118               |     |          | <u> </u>   |          |          |          |   |          |          |  |  |
|          | 119               |     |          |  |          |          |          |   |          |          |  |  |
|          | 120               |     |          |  |          |          |          |   |          |          |  |  |
|          | 121               |     |          |  |          |          |          |   |          |          |  |  |
|          | 122               |     |          |  |          |          |          |   |          |          |  |  |
|          | 122<br>123        |     |          |  |          |          |          |   |          |          |  |  |
|          | 124<br>125        |     |          |  |          |          |          |   |          |          |  |  |
|          | 125               |     |          |  |          |          |          |   |          |          |  |  |
|          | 126               |     |          |  |          |          |          |   |          |          |  |  |
|          | 127<br>128<br>129 |     |          |  |          |          |          |   |          |          |  |  |
|          | 128               |     |          | Г  |          |          | _        |   |          |          |  |  |
|          | 129               |     |          |  |          |          |          |   |          |          |  |  |
|          | 130               |     |          |  |          |          |          |   |          |          |  |  |
|          | 130<br>131        |     |          |  |          |          |          |   |          |          |  |  |
|          | 132               |     |          |  |          |          |          |   |          |          |  |  |
|          | 133               |     |          |  |          | _        |          |   |          |          |  |  |
|          | 134               |     |          |  |          | _        |          |   |          |          |  |  |
|          | 135               |     |          |  | $\vdash$ | -        |          |   |          |          |  |  |
| -        | 135               |     |          | $\vdash$   |          |          |          |   |          |          |  |  |
| -        | 136               | H   | -        |  |          | _        | _        |   | <u> </u> |          |  |  |
| -        | 137               | -   | <u> </u> | $\vdash$   | _        | <u> </u> |          |   | _        |          |  |  |
|          | 138               |     | <u> </u> |  | _        |          | <u> </u> |   |          | Щ        |  |  |
|          | 139               |     |          |  | <u> </u> | ļ        |          |   | _        |          |  |  |
|          | 140               |     |          | $oxed{oxed}$                                     |          | <u> </u> | L        |   | L        |          |  |  |
| <u> </u> | 141               | Ш   |          | Ш  |          |          |          |   | <u> </u> |          |  |  |
| L        | 142               |     |          |  |          |          |          |   |          |          |  |  |
|          | 143               |     |          |  |          | <u></u>  |          |   |          |          |  |  |
|          | 144               |     |          |  |          |          |          |   |          |          |  |  |
|          | 145               |     |          |  |          | L        | L        |   |          |          |  |  |
|          | 146               |     |          |  |          |          |          |   |          |          |  |  |
|          | 147               |     |          |  |          |          |          |   |          |          |  |  |
|          | 148               |     |          |  |          |          |          |   |          |          |  |  |
|          | 149               |     |          |  |          |          |          |   |          |          |  |  |
|          | 150               |     |          |  |          | _        |          |   |          |          |  |  |
|          |                   |     |          |  |          |          |          |   |          |          |  |  |